

Exhibit C.1 -- Description of Remedial Action Work Remaining at Release Sites
Under the Federal Facility Agreement and Consent Order (FFA/CO)

| Waste Area Group | Description of Waste Area Group and Operable Units (OU) | Estimated Waste Volumes | Remaining Enforceable Milestones | Related Documents |
|--|--|--|---|---|
| Waste Area Group 3 – Idaho Nuclear Technology and Engineering Center (INTEC) | OU 3-13 – WAG 3 Comprehensive RI/FS ROD, Includes remediation of contaminated soils, perched water and groundwater plume from INTEC injection well. Does not include final remediation of the Tank Farm or the INTEC injection well. | Current plans are to dispose of 69,000yd ³ of INTEC soil in FY'05 and 30,100yd ³ in FY'06, plus 2,500 yd ³ of boxed soils in the SSA. Total volume of soil that will be excavated under the OU 3-13 ROD is difficult to estimate since the amount of contamination under buildings is unknown. The estimates used for the ROD total ~ 230,000 yd ³ . | <ul style="list-style-type: none">• TFIA NOV Operations and Maintenance Report – 5/31/05• TFIA NOV Draft Remedial Action Report – 5/31/05• Group 3, Soils Phase II RD/RA Work Plan – 10/30/07• Group 4, Draft Monitoring Report/Decision Summary – 6/13/07• Group 5, Composite Analysis/Performance Summary – 3/22/05 *• Group 7, SFE-20 Tank Samples – 12/31/05• Group 7, DEQ Sample Report – 4/30/06• Group 7, Remedial Action Report – 2/28/12 <p>Additional regularly scheduled monitoring reports are required.</p> | <p>ROD for OU 3-13, (AR DOE/ID-10660) October 1999.</p> <p>RD/RA Work Plans for each Group:</p> <ul style="list-style-type: none">• Group 1 –AR DOE/ID-10772• Group 2 – Not Developed• Group 3 – AR DOE/ID-11089• Group 4 – AR DOE/ID-10774, (Group 4 monitoring report)• Group 5 – AR DOE/ID-10782, (Group 5, Monitoring System and Installation Plan)• Group 6 – AR DOE/ID-10838• Group 7 – AR DOE/ID-11048• ICDF – AR DOE/ID -11984 <p>OU 3-13 Long Term Monitoring Plan (AR DOE/ID-10783)</p> <p>OU 3-13, Group 4, Monitoring System and Installation Plan for Perched Water Wells (Draft as of 9/15/03)</p> <p>ICDF subcontract</p> <p>HWMA/RCRA Closure Plan for VES-SFE-20 Hot Waste Tank System at INEEL INTEC, AR DOE/ID-10864</p> <p>Agreement to Resolve Dispute, February 2003</p> |

- 1.) No Cleanup Action Required
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| Waste Area Group 3 – Idaho Nuclear Technology and Engineering Center (INTEC) | OU 3-14 – Tank Farm RI/FS ROD, will address the remediation of the Tank Farm and INTEC injection well. | The OU 3-14 ROD is scheduled to be signed by December 31, 2006. No soils are expected to be excavated during the contract period. | <ul style="list-style-type: none">• Draft Phase II Characterization Work Plan – 1/31/05• Draft Phase II Summary Report – 12/14/06 *• Draft Contaminate Transport Work Study Report – 5/17/05 *• Draft RI/BRA Report – 10/25/07 *• Draft Tank Farm Soils Treatability Study Work Plan – 11/29/05 *• Draft Tank Farm Soils Report – 10/02/06 *• Draft RI/FS Report – 10/31/08• Draft ROD – 5/31/10 (The contractor shall implement the RI/FS Work Plan, develop the Remedial Investigation/Feasibility Study (RI/FS), Proposed Plan, and ROD by December 31, 2006. The enforceable date for the OU 3-14 ROD is May 31, 2010. The Agreement to Resolve Disputes (ARD) applies to both OU 3-13 and OU 3-14 and mandates evaluating the feasibility of accelerating the OU 3-14 ROD ahead of the current enforceable date. If it is not possible to submit a draft OU 3-14 ROD by December 31, 2006, the contractor shall install an infiltration barrier over the entire Tank Farm as the tanks are closed on a schedule to be negotiated with the agencies.) | OU-3-14 Tank Farm Soils and Ground Water RI/FS Work Plan (AR DOE/ID-10676) |

* These dates currently under discussion as enforceable dates

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| Waste Area Group 7 – Radioactive Waste Management Complex (RWMC) | OU 7-10 – Pit 9 Interim Action, requires a demonstration of TRU waste retrieval. | Stage III requires total excavation of Pit 9, approximately 1 acre, and removal of soils with TRU concentrations above 10 nCi/g which includes approximately 3,400 m ³ of TRU waste. | <ul style="list-style-type: none">• Stage II (GEM) -There are no remaining enforceable milestones.• Stage III –<ul style="list-style-type: none">○ 10% Design – 9/05○ Remedial Design and Start Construction – 3/31/07○ Start Operations within 36 months of start of construction.○ Remedial Action Report – TBD (Depends on completion of field work) | Agreement to Resolve Disputes, April 2002 (AR 10970) Mission Need Statement: Pit 9 Remediation Project (AR DOE/ID-11113, Rev. 0, draft A) September 2003 |
| Waste Area Group 7 – Radioactive Waste Management Complex (RWMC) | OU 7-08 – Organic Contamination in the Vadose Zone, active remediation of volatile organic compounds from the vadose zone below the Subsurface Disposal Area (SDA) | Level of effort activity, variable vapor extraction rate | No enforceable milestones until the remediation is complete which is anticipated to be beyond the contract period. Regularly scheduled monitoring reports are required. | OU 7-08 ROD, (AR 5761) Operations and Maintenance Plan for OU 7-08 (AR INEEL/EXT-2001-00016) |
| Waste Area Group 7 – Radioactive Waste Management Complex (RWMC) | OU 7-12 – RWMC Pad A, maintains a cap over the material disposed on Pad A until the OU 7-13/14 ROD is implemented | N/A | No enforceable milestones. Regularly scheduled monitoring reports are required. | OU 7-12 ROD (AR 5632) |
| Waste Area Group 7 – Radioactive Waste Management Complex (RWMC) | OU 7-13/14 – WAG 7 Comprehensive RI/FS ROD, will cover the remediation of the entire RWMC. | OU 7-13/14 ROD will determine the volume of soils to be retrieved. | <ul style="list-style-type: none">• RI/BRA – 12/31/05• Draft Proposed Plan – 3/31/06• Draft ROD – 12/31/06 | Ancillary Basis for Risk Analysis of the Subsurface Disposal Area, (AR INEEL/EXT-02-01125) September 2002 Preliminary Evaluation of Remedial Alternatives for the Subsurface Disposal Area (AR NEEL/EXT 02-01258) |

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| Waste Area Group 1 – Test Area North (TAN) | OU 1-07B – TSF Injection Well, Waste from development of the atomic airplane engine was directly injected into the Snake River Plain Aquifer. The remedy has three parts, (1) bioremediation of the hot spot, (2) pump and treat with reinjection into the aquifer to hold the plume in place and remediate the medial zone of the plume, (3) natural attenuation of the distal zone of the plume. | Level of effort activity, variable contaminate extraction rate | No enforceable milestones until remediation is completed. Regularly scheduled monitoring reports required. | <ul style="list-style-type: none">• ROD (AR 10139 & amendment)• In Situ Bioremediation Remedial Action Work Plan, (AR DOE/ID-11015), Rev. B, July 2002• Phase C Remedial Action Workplan (AR DOE/ID 10679)• Monitored Natural Attenuation Remedial Action Workplan (AR DOE/ID 11055)• Groundwater Monitoring Plan (GMP) (AR INEEL/EXT-2002-00779) |
| Waste Area Group 1 – Test Area North (TAN) | OU 1-10 – WAG 1 Comprehensive RI/FS ROD, Covers remediation of contaminated soils and tanks within TAN fence. | There will be at least 25,000yd ³ of contaminated soil removed from the V-tank area. The tank contents are estimated to be 11,910 gals. | <ul style="list-style-type: none">• Complete disposal of TSF-06 and TSF-26 soils by 2/28/05.• Milestones for the V-tank CERCLA remediation will be set in the ROD Amendment SOW. Probable milestones include:<ul style="list-style-type: none">◦ Draft RD/RA Work Plan – 9/30/05◦ Draft OU 1-10 Remedial Action Report – 1/08• V-tank RCRA Closure Plan milestones include:<ul style="list-style-type: none">◦ Start removal of waste – 6/06◦ Complete waste removal – 10/06◦ Complete piping removal - 9/07◦ Complete RCRA closure – 11/07 | <ul style="list-style-type: none">• ROD for OU 1-10, (AR DOE/ID-10682) October 1999. (amended ???)• New Proposed Plan for the V-tanks Contents, April 2003.• Conceptual Design Report for Ex Situ Chemical Oxidation, Reduction and Stabilization of The V-Tanks at Waste Area Group 1 (WAG-1), Operable Unit (OU) 1-10 (AR INEEL/EXT-03-00438)• Comprehensive Remedial Design Remedial Action (RD/RA) Workplan For Test Area North (TAN) Operable Unit (OU) 1-10 Group 1 Sites - DOE, IDEQ And EPA Review Comments and Resolutions Are Included In Appendix G (AR DOE/ID-10712)• Explanation Of Significant Differences (ESD) for the Record of Decision (ROD) for Test Area North (TAN) Operable Unit (OU) 1-10 (AR DOE/ID-11050) |

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| Waste Area Group 2 – Test Reactor Area (TRA) | OU 2-13 – WAG 2 Comprehensive RI/FS ROD, Covers remediation of contaminated soils, process water ponds, perched water and groundwater within TRA fence and plume extending beyond fence. Contamination under existing buildings has not been addressed. | N/A | No enforceable milestones. Regularly scheduled monitoring reports required. | First 5-Year Remedy Review for OU 2-13, (AR DOE/ID11099) rev. C, June 2003. |
| Waste Area Group 4 – Central Facility Area (CFA) ^{*1.)} | OU 4-13 – WAG 4 Comprehensive RI/FS ROD, covers the remediation of soils and groundwater at CFA. | N/A | <ul style="list-style-type: none">No enforceable milestones. Regularly scheduled monitoring reports required. | Final Comprehensive Record of Decision (ROD) for Central Facilities Area (CFA) Operable Unit (OU) 4-13 (AR DOE/ID-10719) |
| Waste Area Group 5 – Auxiliary Reactor Area and Power Burst Facility (ARA/PBF) ^{*2.)} | OU 5-12 – WAG 5 Comprehensive RI/FS ROD, covers soil remediation at the ARA/PBF area. | N/A | <ul style="list-style-type: none">No enforceable milestones. Regularly scheduled monitoring reports required. | Final Comprehensive Record of Decision (ROD) for the Power Burst Facility and Auxiliary Reactor Area, Operable Unit (OU) 5-12 (AR DOE/ID-10700) |
| Waste Area Group 6 – Boiling Water Reactor Area (BORAX) ^{*1.)} | OU 6-01 was combined with OU 5-05 for remediation and with OU 10-04 for long term Institutional Controls. Please see those entries for information | N/A | N/A | N/A |
| Waste Area Group 8 – Naval Reactors Facility (NRF) ^{*1.)} | Coordination with the Naval Reactors Facility as needed to perform site-wide CERCLA integration function. | N/A | N/A | N/A |
| Waste Area Group 9 – Argonne National Laboratory (ANL) ^{*1.)} | Coordination with the NE as needed to perform site-wide CERCLA integration function. | N/A | N/A | N/A |

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| Waste Area Group 10 – Miscellaneous Sites and Groundwater | OU 10-04/OU 6-05 – WAG 10 Comprehensive RI/FS ROD, covers the known soil contamination outside facility area boundaries (especially the areas from ordnance and explosives testing, some of which pre-dated the INEEL). | 5-20 pieces of ordnance retrieved and destroyed every year. Gun-range soil volume is ~20,000yd3. TNT/RDX area has ~800yd3 of contaminated soil. | <ul style="list-style-type: none">• Submit draft RD/RA Work Plan for STF-02 to DOE-ID, EPA, and IDEQ -- April 2005• Submit draft RD/RA Work Plan for the ordnance areas to DOE-ID, EPA, and IDEQ -- July 2006• Submit draft RA Report for institutional controls and ecological monitoring to DOE-ID, EPA, and IDEQ -- August 2004• Submit draft RA Report for the TNT/RDX sites to DOE-ID, EPA, and IDEQ -- November 2015 (Contract required date - November 30, 2008)• Submit draft RA Report for STF-02 to DOE-ID, EPA, and IDEQ -- August 2018 (Contract required date - March 30, 2011)• Submit FINAL RA Report for the ordnance areas to DOE-ID, EPA, and IDEQ -- September 2020 (Contract required date: End of contract term)• Submit draft O&M Report to DOE-ID, EPA, and IDEQ -- (Contract required date: End of contract term) | OU 10-04 ROD, (AR DOE/ID-10980) November 2002 Long Term Ecological Monitoring Plan for the INEEL, (AR INEEL/EXT-02-01191) Rev. B, November 2002. |
| Waste Area Group 10 – Miscellaneous Sites and Groundwater | OU 10-08 – This will be the final ROD for the INEEL. It will include any new sites identified after individual WAG comprehensive RODs are signed and an integrated risk assessment of the total contamination of the Snake River Plain Aquifer. Coordination as needed to perform site-wide CERCLA integration function. | Volume of soil from “new sites” cannot be estimated, but 100 yd3 of fission product contaminated soil may be assumed for sites at TRA. | These milestones will be established as RODs for OUs 7-13/14 and 3-14 are finalized. | INEEL Sitewide Institutional Controls Plan for CERCLA Response Actions, (AR DOE/ID-11042) Rev. B, June 2003. WAG 10 OU 10-08 RI/FS Work Plan (AR DOE/ID-10902) August 2002 |

Note -- Related documents are located in the INL Administrative Record (AR) and Information Repository which is available electronically at <http://ar.inel.gov/>.

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